

IN THE CLAIMS:

1. (Previously Presented) A method of creating a template, said method comprising:

disposing a diamond-like composition on a surface of said template having properties sufficient to be substantially transmissive of a predetermined wavelength and provide said surface.

2. (Previously Presented) The method as recited in claim 1 wherein disposing further includes disposing said diamond-like composition from a set of diamond-like compositions consisting of including diamond-like carbon (DLC) and diamond-like nano-composites.

3. (Previously Presented) The method as recited in claim 2 wherein said nano-composites includes DYLYN®.

4. (Previously Presented) The method as recited in claim 1 wherein said predetermined wavelength includes UV light.

5. (Previously Presented) The method as recited in claim 1 where disposing further includes patterning said diamond-like composition.

6. (Previously Presented) The method as recited in claim 1 further including doping said diamond-like composition with electrically conductive elements.

7. (Previously Presented) The method as recited in claim 1 further including depositing an electrically

conductive layer upon said substrate before depositing said diamond-like composition.

8. (Previously Presented) The method as recited in claim 1 further including depositing an electrically conductive layer upon said substrate before depositing said diamond-like composition and patterning said diamond-like composition to selectively expose regions of said electrically conductive layer.

9. (Previously Presented) The method as recited in claim 1 further including forming said template from a fused-silica.

10. (Previously Presented) A method of creating a template, said method comprising:

disposing a diamond-like composition on a surface of said template having properties sufficient to be substantially transmissive of a predetermined wavelength and provide said surface with a predetermined surface energy; and

patterning said diamond-like composition to includes a plurality of protrusions and recesses.

11. (Previously Presented) The method as recited in claim 10 wherein disposing further includes disposing said diamond-like composition from a set of diamond-like compositions consisting of including diamond-like carbon (DLC) and DYLYN®.

12. (Previously Presented) The method as recited in claim 10 wherein said predetermined wavelength includes UV light.

13. (Previously Presented) The method as recited in claim 10 further including doping said diamond-like composition with electrically conductive elements.

~~15~~ 14. (Currently Amended) The method as recited in claim 10 further including depositing an electrically conductive layer upon said substrate before depositing said diamond-like composition.

~~16~~ 15. (Currently Amended) The method as recited in claim 10 wherein patterning further includes said diamond-like composition to selectively expose regions of said electrically conductive layer.

~~17~~ 16. (Currently Amended) A method of creating a template, said method comprising:

forming an electrically conductive layer on said template having properties to be substantially transmissive of a predetermined wavelength;

disposing a diamond-like composition on a surface of said template having properties sufficient to be substantially transmissive of said predetermined wavelength and provide said surface with a predetermined surface energy; and

patterning said diamond-like composition to includes a plurality of protrusions and recesses and selective expose portions of said electrically conductive layer.

~~18~~ 17. (Currently Amended) The method as recited in claim ~~17~~ 16 wherein disposing further includes disposing said diamond-like composition from a set of diamond-like compositions consisting of including diamond-like carbon (DLC) and DYLYN®.

~~19~~ 18. (Currently Amended) The method as recited in claim ~~17~~ 16 wherein said predetermined wavelength includes UV light.

~~20~~ 19. (Currently Amended) The method as recited in claim ~~17~~ 16 further including depositing an electrically conductive layer upon said substrate before depositing said diamond-like composition.

~~21~~ 20. (Currently Amended) A template for use in imprint lithography, said template comprising:
a body;
a diamond-like composition disposed on said body, with said diamond-like composition being substantially transparent to a predetermined wavelength of light and having a predetermined surface energy associated therewith.

~~22~~ 21. (Currently Amended) The template as recited in claim ~~21~~ 20 wherein said diamond-like composition is electrically conductive.

~~23~~ 22. (Currently Amended) The template as recited in claim ~~21~~ 20 wherein said diamond-like composition includes a plurality of protrusions and recesses.

24 23. (Currently Amended) The template as recited in claim ~~21~~ 20 further including an electrically conductive layer position between said body and said diamond-like composition.

25 24. (Currently Amended) The template as recited in claim ~~23~~ 22 wherein said diamond-like composition includes a plurality of protrusions and recesses, with said electrically conductive layer being exposed in said recesses.

26 25. (Currently Amended) The template as recited in claim ~~23~~ 22 wherein said electrically conductive layer is formed from Indium Tin Oxide.

////

////

////

////

////

////

////

////

////

////

////

////

////

////

////

////

////

////